

Notice of Allowability

Application No.

09/813,087

Examiner

Monica Lewis

Applicant(s)

BRYANT ET AL.

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 11/3/03.
2. ☒ The allowed claim(s) is/are 1-10 and 21-28.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No. _____.
 - (b) ☒ including changes required by the proposed drawing correction filed 11 December 2002, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892) | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 3 <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. _____ | 7 <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

Mary Wilczewski
Primary Examiner

EXAMINER'S AMENDMENT

1. Examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given via telephone by Timothy F. Myers on January 21, 2003.

The application has been amended as follows:

Cancel claims 11-20.

In claim 1, line 2 after "without a", "grown" has been deleted.

In claim 21, line 3 after "without a", "grown" has been deleted.

In claim 8, line 1 before "comprising", "a printhead" has been deleted.

In claim 8, line 1 before "comprising", --An integrated circuit for a printhead-- has been inserted.

In claim 8, line 2 before "integrated circuit", "the" has been deleted.

In claim 8, line 2 before "integrated circuit", --an-- has been inserted.

In claim 8, line 2 after "circuit", "of claim 1" has been deleted.

In claim 8, line 2 after ":", "and" has been deleted.

In claim 8, line 2 after ":", --a substrate; a set of transistors formed in the substrate wherein the gate of each of the set of transistors forms at least one closed loop; an ejection element coupled to at least one of the set of transistors wherein the ejection element is disposed over the substrate with an intervening layer which is not field oxide; and--.

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In claim 9, line 1 before "comprising", "A fluid cartridge" has been deleted.

In claim 9, line 1 before "comprising", --An integrated circuit for a printhead-- has been inserted.

In claim 9, line 2 before "printhead", "the" has been deleted.

In claim 9, line 2 before "printhead", --a-- has been inserted.

In claim 9, line 2 after "printhead", "of claim 8" has been deleted.

In claim 9, line 2 after ":", --an integrated circuit; a substrate; a set of transistors formed in the substrate wherein the gate of each of the set of transistors forms at least one closed loop; an ejection element coupled to at least one of the set of transistors wherein the ejection element is disposed over the substrate with an intervening layer which is not field oxide; an orifice layer defining a nozzle fluidically coupled to the ejection element and wherein the nozzle is further fluidically coupled to a fluid channel to deliver fluid to the ejection element;--.

In claim 10, line 1 before "comprising", "A recording device" has been deleted.

In claim 10, line 1 before "comprising", --An integrated circuit for a printhead-- has been inserted.

In claim 10, line 2 before "fluid", "the" has been deleted.

In claim 10, line 2 before "fluid", --a-- has been inserted.

In claim 10, line 2 after "cartridge", "of claim 9" has been deleted.

In claim 10, line 2 after ":", "and" has been deleted.

In claim 10, line 2 after ":", --a printhead; an integrated circuit; a substrate; a set of transistors formed in the substrate wherein the gate of each of the set of transistors forms at least one closed loop; an ejection element coupled to at least one of the set of transistors wherein the

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ejection element is disposed over the substrate with an intervening layer which is not field oxide; an orifice layer defining a nozzle fluidically coupled to the ejection element and wherein the nozzle is further fluidically coupled to a fluid channel to deliver fluid to the ejection element; a body having a fluid reservoir fluidically coupled to the fluid channel of the printhead; and a pressure regulator for maintaining a negative pressure relative to the ambient air pressure to prevent the fluid within the printhead from drooling out of the nozzle without activation of the ejection element; and--.

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Monica Lewis whose telephone number is 703-272-1838. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on 703-272-1852. The fax phone number for the organization where this application or proceeding is assigned is 703-308-7722 for regular and after final communications. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

ML

February 4, 2004

Mary Wilczewski
Primary Examiner